**M. A. R. 57 (Rule 116)** **No. E**

**Measurement Book**

627918

Serial No. 1st and Final Bill

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... Bharath. S. Contractor.

Date of commencement of work..... D.O. Recording : 22/01/2024

| Date | Full description, etc, of work | Number | Dimensions: Length | Dimensions: Breadth | Dimensions: Depth | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Name of Work : Supply and Installation of CCTV Cameras at detected points and Maintenance of existing CCTV Cameras in Ward No.09, Amruthahalli. | | | | | | |
| | Estimated Cost Rs. 20.00 Lakhs | | | | | | |
| | JOB. No : 009-23-000011 | | | | | | |
| | Work order No : BBMP/EE/BTP/WO/180/2022-23, dated. 18.03.2023, | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | modified estimate sanctioned vide no dated - 2 | | | | | Rc mp/EE/YF-2/mTS/13/2023-24 dated 24.04.2023 | |
| | (1) Out door PTZ-IP Camera with 20x optical zoom with controller along with suitable mounting system & PTZ pan tilt & zoom features is available in this camera can be controlled by the software pan tilt and zoom features at the control center and can be programmed to view at different angles and zoom level | | | | | | |

**M. A. R. 57 (Rule 116)** **No. E**
Measurement Book

627919

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Continuously. It operates at day and night and the viewing distance at clarity is about 100 metres. | | | | | | |
| | (a) Dasarahalli Circle | 1 No | | | | | |
| | (b) JNRC. Circle | 1 No | | | | | |
| | | 2 Nos. | @ | | | 65751.16/Each. | Rs 1,31,502.20 |
| | (2) Bracket (Corner mount/pole mount/wall mount) for mounting the PTZ Camera | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | (a) Dagachuhy Circle | 1 | | | | | |
| | (b) JNRC Circle | 1 | | | | | |
| | (3) Amratuhy Circle | 1 | | | | | |
| | (4) Lokec. Road | 1 | | | | | |
| | (5) Jaklur-Dondy Road - Vishnu pada, Hotel | 1 | | | | | |
| | (6) Replacing damaged pole Jaklur Sym. | 1 | | | | | |
| | (7) Byatarayapura Sym | 1 | | | | | |
| | (8) Amruthuhy Circle near Police St. | 1 | | | | | |
| | | 8 Nos. | @ 357.75 | Each - Rs | | | 28606.00 |

M. A. R. 57 (Rule 116) No. E

Measurement Book

627920

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (3) | Outdoor 50 mtr IP Camaras with IR and mounty Bracket (With IR for day night viewing and can provide a viewing distance upto 50 mtr | | | | | | |
| | (a) Dagachuhy Circle | 3 nos | | | | | |
| | (b) JNRC Circle | 3 nos | | | | | |

6

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | c) Jaktar double Rod | = 2 Nos | | | | | |
| | | 8 Nos @ 17732.08/Each | | | | | 1,41,856.64 |
| (4) | Baracket and weather proof Installation kit for 50 mtr IP Camera | | | | | | |
| | qty as per SI ③ | 8 Nos @ 1294.71/E | | | | | 10357.68 |
| (5) | Outdoor 30 mtr IP Camera with IR with mounting Bracket (with SR for dry and Wight rising and Can provide and viewing distance of 30 mtr) | | | | | | |

**M. A. R. 57 (Rule 116)** No. E
Measurement Book

627921

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | (a) Annuthively Circle | = 3 Nos | | | | | |
| | (b) Annuthively Kerr Rod | = 3 Nos | | | | | |
| | (c) Jaktar double Rod near Nithyapuram | = 2 Nos | | | | | |
| | | 8 Nos @ 12787.88/Each | | | | | 102303.04 |
| (6) | Bracket and Weather proof Installation kit for 30 mtr IP Camera | = qty as per SI ⑤ = 8 Nos @ 1249.46/E | | | | | 9995.68 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (7) | 32 channel NVR DS7732 -B4 (With 4 data option) the control Box and the recording device to Connect upto 32 device. | | | | | | Clpc |
| | | = 3 Nos. | @ 56130.92/ Each | | | | 168392.76 |
| (8) | 12 TB Nas Box for Backup (Mech gen) purpose Storage for the recorded data for quick view back and storage. | | | | | | |
| | | = 2 Nos. | @ 21571.8/ Each | | | | 43143.60 |

**M. A. R. 57 (Rule 116)** No. E
Measurement Book

627922

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (9) | 4 TB Sata for storage add fitted in the NVR device for storage | | | | | | |
| | | = 4 Nos. | @ 19148.3/ Each | - B | | | 76593.20 |
| (10) | A Suitable sheet metal control pinel to house site equipments (Weather proof) the power supply and the ethernet Connectivity adaptor is stored in this Box. | | | | | | |
| | | = 5 Nos. | @ 1278.79/ E | | | | 6393.95 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 11) | Power Supply for the Camera. | = | 5 Nos. | @ | 386.32/Each | | 1931.60 |
| 12) | Ethernet switch for connecting the Internet and Camera. | = | 9 Nos. | @ | 796.10/Each | | 7164.90 |
| 13) | Supply and laying of net work and power Cable from Camera to the Control Box | = | 9 Nos | @ | 325.99/Each | | 2933.91 |
| 14) | Video Manager Application Software for display and Maugement of Camera on video display | = | 9 Nos. | @ | 16760.00/Each | | 150840.00 |
| 15) | Installation and Erecting and Commissioning charges | = | 9 Nos. | @ | 4240.30/- | | 38162.70 |
| 16) | EIRL<br>Provided Clear MS pipe with Camera fixing bracket Stand Earth Night box including all taxes transportation. | | | | | | |

M. A. R. 57 (Rule 116) No. E

Measurement Book

627923

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Charges as per the direction of Engineer-in-charge | | | | | | |
| | SMDS.E | | 18447.50 | Each | Rs | | 98465.00 |
| | Round off. | | 19/3 = 1406500.00 | Total | Rs | | 1406932.50 |
| | | | 253170/= | Add GST | @ 18% | | 253249.00 |
| | | | 1659670/= | Grand | Rs | | 16.60.195.20 |
| | Certificate | | | | | | |
| | (1) Certified that the contractor has | | | | | | |
| | work done satisfactorily. | | | | | | |
| | | | | | | 22/01/2024 | |

22/1/24

Assistant Executive Engineer
Jigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

Contractor

1st & final

**M. A. R. 57 (Rule 116)**
Measurement Book

No. E

627924

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | P 3726 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | ವಿಷಯ: Zonal Public Works-Pow Works | | | Total | | 1659670.00 | 1st & final |
| | ಒಟ್ಟು ಮೊಬಲಗು ರೂ. 1659670/= | | | It | | 14065.00 | |
| | ಇಳಿಕೆಯ ರೂ. 102170/= | | | cest | | 14065.00 | |
| | ಉಳಿದದ್ದು ರೂ. 1557500/= | | | Sest | | 14065.00 | |
| | FT/NEFT/RTGS ಮುಖಾಂತರ ನಿಯಮಾನಿತ | | | cess | | 14065.00 | |
| | ವಿಷಯ | | | FSD | | 42353.00 | |
| | ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು | | | CBF | | 1407.00 | |
| | ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ | | | Fine | | 2150.00 | |
| | | | | Ded. | | 102170.00 | |
| | | | | Net pay | | 1557500.00 | |